

## BOAT HULL TUNNEL EXTENSION

I claim:

1. A device for assisting in getting a propeller driven boat from a starting attitude to a moving planing attitude, said boat having a tunnel structure along its bottom from a forward end along a portion of the keel of said boat and a trailing end toward the stern of said boat,  
5 said tunnel structure accommodating the propeller shaft with a propeller within said tunnel structure between said forward end and said trailing end of said tunnel structure, the improvement in said tunnel structure comprising:

a constant diameter extension of said tunnel from the  
10 position of said propeller within said tunnel to said stern of said boat.

2. The device of claim 1 wherein said constant diameter extension of said tunnel from the position of said propeller within said tunnel to  
15 said stern of said boat is an extension directing water pressure forces from said propeller along said extension toward said stern to raise said stern and assist in getting said boat to planing attitude from said starting attitude when said propeller is rotating.

20 3. The device of claim 1 wherein said tunnel structure is a truncated partial cone shaped structure from said keel to the position of said

propeller within said tunnel.

4. The device of claim 3 wherein said cone shaped structure is attached to said keel at said truncated end and said cone shape terminates at a larger end where said propeller is attached to said propeller shaft.

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10 5. The device of claim 4 wherein a constant diameter extension is attached to said larger end of said cone where it terminates and extends toward said stern of said boat.

6. The device of claim 5 wherein said cone shaped portion and said extension are attached to said boat hull from said keel attachment at said truncated end to the end of said extension at said stern.

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20 7. A hull structure for a boat, said hull having a bottom, a bow, a stern, and a keel extending at least partially from said bow to said stern along said bottom, a propeller shaft extending from the interior of said hull through said bottom and toward said stern from between said bow and said stern and a propeller mounted for rotation with said propeller shaft, said hull structure comprising:

a) a tunnel along said bottom of said hull, said tunnel having a first portion presenting a truncated partial cylindrical cone shaped hollow surface indentation along a first portion of said bottom

of said hull and a second portion presenting a constant radius extension from said first portion, said cone having a central axis and a cone angle with respect to said central axis, the smaller forward end of said cone extending toward said bow and the larger trailing end of  
5 said cone terminating at the location of said propeller within said tunnel and extending toward said stern, said second portion being connected to said first portion at said larger trailing end;

10 b) said end of said cone at its forward end being truncated with an end closure and connected to said hull bottom to provide a substantially normal connection between said truncated end and the axis of said propeller shaft extending through said end closure and boat bottom and into said tunnel,

15 c) the cone angle of said cone being constant from said connected truncated end toward said larger trailing end to said connection with said second portion extension;

d) said cone being attached to said bottom along its exterior surfaces extending toward said stern and ending in attachment of said larger trailing end to said extension, said extension being attached to said bottom along its exterior surface extending toward said stern 20 and ending in attachment to said stern to establish said hollow tunnel.